Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Cancelled).

2. (Currently Amended) A method for detecting a monocyte, which comprises the steps of:

(1) contacting an antibody with a blood cell sample predicted to comprise a monocyte, and

(2) detecting a blood cell that has bound to the antibody in step (1);

wherein the antibody specifically binds to a protein or a polypeptide selected from the group of:

(a) ~~an~~the extracellular domain of the HIDE1 protein shown in SEQ ID NO: 2 or 6;

(b) a protein encoded by a nucleotide sequence that hybridizes to a complementary sequence of ~~an HIDE1 gene~~ a nucleotide sequence encoding the extracellular domain of the HIDE1 protein shown in SEQ ID NO: 2 or 6 under stringent conditions; and

(c) a polypeptide fragment of the protein of the above (a) or (b) with at least eight amino acid residues~~, wherein the fragment is derived from the protein of the above (a) or (b)~~.

3. (Currently Amended) A method for isolating a monocyte, which comprises the steps of:

(1) contacting an antibody with a blood cell sample predicted to comprise a monocyte, and

(2) collecting a blood cell that has bound to the antibody in step (1);

wherein the antibody specifically binds to a protein or a polypeptide selected from the group of:

(a) ~~an~~the extracellular domain of the HIDE1 protein shown in SEQ ID NO: 2 or 6;

(b) a protein encoded by a nucleotide sequence that hybridizes to a complementary sequence of ~~an HIDE1 gene~~ a nucleotide sequence encoding the extracellular domain of the HIDE1 protein shown in SEQ ID NO: 2 or 6 under stringent conditions; and

(c) a polypeptide fragment of the protein of the above (a) or (b) with at least eight amino acid residues~~, wherein the fragment is derived from the protein of the above (a) or (b)~~.

4. (Original) The method of claim 2 or 3, wherein the blood cell sample is peripheral blood, cord blood, or bone marrow.

5-21. (Cancelled)

22. (New) The method of claim 2 or 3, wherein the extracellular domain is the amino acid sequence from position 27 to 117 of SEQ ID NO: 6.